

2021 Stack Testing Request for Proposals testing methods, bidding information, administrative tasks, and additional notes.

1. In accordance with the test method outlined in 40 CFR Part 60, Appendix A, Method 10, measure the concentration of carbon monoxide in engine exhaust, at the following locations.
 - a. Base Bid: Outlet of the oxidation catalyst in the base bid (allowing for two generators to be tested simultaneously).
 - b. Alternate Bid: Inlet and outlet of the oxidation catalyst (generator to be tested individually). The Alternative Bid is only required if the testing method outlined in the Base Bid cannot be performed due to a failed test.
2. Measure the oxygen (O₂) concentration in the exhaust using Method 3, 3A or 3B of 40 CFR Part 60, Appendix A.
3. Normalize the carbon monoxide concentration to a dry basis and to 15 percent oxygen (O₂), or an equivalent percent carbon dioxide (CO₂), and determine the percent reduction achieved with each oxidation catalyst.
4. Conduct a CMS performance evaluation simultaneously with the performance test. Refer to §63.8(e) for more information.
5. For purposes of the performance evaluation, measure engine exhaust backpressure across the oxidation catalyst (differential), in inches of water column, at least four (4) times during each one-hour performance test run.
6. For purposes of the performance evaluation, measure engine exhaust gas temperature, in degrees F, at least four (4) times during each one-hour performance test run.
7. If the data collected for the performance evaluation reasonably correlates with the data collected by the facility's continuous parameter monitoring system, provide a statement indicating this.

The testing company shall also complete the following administrative tasks. **All items below will be submitted to the Owner/Engineer for review prior to submittal to any governmental agency.**

1. Prepare a Notification of Intent to conduct a performance test;
2. Prepare a site-specific test plan;
3. Prepare a Notification of CMS Performance Evaluation simultaneously with the notification of intent to conduct a performance test;
4. Prepare a site-specific performance evaluation test plan; and

5. Compile the records and / or results of the performance test and performance evaluation in a technical memorandum or report, including all data analysis and quality assurance information, of sufficient quality for submission to the governmental agency.

The contractor shall also include the following tasks in their bid.

1. Allowance for responding to questions generated by the Owner, Engineer, or governmental agency.
2. Participate in a pre-test conference, if requested by the governmental agency.
3. Coordination of the performance testing schedule and any other requirements with the Owner and Engineer.

Other items of note include:

1. Test ports are available of the housing of the oxidation catalyst, which is mounted indoors. A photograph of the test port installations will be made available upon request. The City will remove the caps from the test ports prior to testing and will reinstall when testing is complete.
2. The City will provide a ladder for access to the test ports.
3. The City will operate each engine at or near full load during the parameter testing. The testing company shall allow thirty (30) minutes for each engine to reach normal operating conditions after equipment startup prior to initiating the test.
4. A summary of the results from the previous performance test will be made available upon request.

Award of contract will be to lowest responsible bidder of the Total Cost of all Six Stack Tests.

Base Bid: Cost per Stack Test = \$_____

Base Bid: Total Cost of all Six (6) Stack Tests = \$_____

Alternate Bid: Cost per Stack Test = \$_____

Company Name: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Signature of Authorized Agent: _____